

RAVDOL', Z.

Expressing the volume of construction on collective farms in terms of cost.
Sel'stoi.11 no.5:16-17 My '56. (MLRA 9:9)

1. Nachal'nik planovo-otchetnogo otdela Upravleniya po stroitel'stvu v
kolkhozakh Ministerstva gorodskogo i sel'skogo stroitel'stva SSSR.
(Construction industry--Costs)

RAVDEL', Z., inzhener-ekonomist.

Example of great and useful assistance. Sel'.stroi. 11 no.1:19
Ja '56. (MLRA 9:6)

(Latvia--Machine-tractor stations)

RAVDEY, G.A.

V 47

53

chemistry

Amino acid series. V. Condensation reaction of aldehydes and ketones with acylglycines. S. I. Lur's, R. S. Chumak, and G. A. Ravdel. *Chem. Abstr.* 1963, 57:12581. **Abstract.** AcPh does not react with hippuric acid under conditions of the Friedländer reaction. A NO₂ group introduced into AcPh activates the CO group and the reaction becomes possible. In formation of oxazolones, in the condensation of aldehydes or ketones with acylglycines the use of NaHCO₃ gave at least as good yields as did the use of K₂CO₃. Addn. of 40 ml. AcO to 20.5 g. (0.5 mole) of 2-phenyl-4-benzylidene-5-oxazolone, m. 148-50°, gave a vigorous, but delayed reaction; after 24 hrs. the mass was ground with H₂O and dil. AcOH, yielding 83.79% 2-phenyl-4-benzylidene-5-oxazolone, m. 148-50°. Mixing 14.75 g. acetic acid, 8.6 g. K₂CO₃, 20.5 g. H₂O and 40 ml. AcO led to a mild temp. rise after which the mixt. was kept 1 hr. at 60°. 1 hr. at 120° and 1 hr. at 120-135°; the usual treatment gave 85% 2-methyl-4-benzylidene-5-oxazolone, m. 140-41°. Similar reaction gave 80-85% 2-phenyl-4-benzylidene-5-oxazolone, m. 150-51°, when NaHCO₃ was used and the temp. was kept at 60°. Reaction of 10 g. with 8.5 g. o-O₂NC₆H₄CHO, 4.7 g. NaHCO₃ and 20 ml. AcO at 50-55° gave 83% 2-phenyl-4-(o-nitrobenzylidene)-5-oxazolone, m. 160-61°. Heating 5 g. acetic acid, 8.6 g. o-O₂NC₆H₄CHO, 3.72 g. NaHCO₃ and 9.5 ml. AcO 2 hrs. at 55-67°, followed by standing overnight, gave 2-methyl-4-(o-nitrobenzylidene)-5-oxazolone, m. 110-12° (from C₆H₆).

and Et₂O-insol. Et α -acetylaminoo-nitrocinna¹mide, m. 121-3° (from C₂H₅); when the above oxazone is kept several hrs. in 2% NaOH there is formed 98% α -acetylaminoo-nitrocinna¹mide, m. 201-3° (decomp.). When the oxazone is kept 1-1.5 hrs. in C₂H₅ with PhNH₂, there is formed α -acetylaminoo-nitrocinna¹mide, decomp. 190-201° (from dil. EtOH); use of piperidine gave the *biphenyl*, m. 214-16° (from dil. EtOH). Heating 10 g. 1 with 4.6 g. NaHCO₃, 10 ml. AcO, and 165 ml. MeCO 6 hrs. at reflux gave 23-4% BrONa ppt., while the filtrate gave upon dil. 50% 2-phenyl-4-isopropylidene-5-oxazone, m. 94-7° (from dil. EtOH). MeEtCO gave the 4-*isobutylidene* analog, obtained as 2 undescribed geometric isomers. 1 (3.50 g.) with 1.50 g. K₂CO₃ and 5.78 ml. AcO, followed by 3 g. PhONHAc, added when CO₂ evolution slackened, then heated 20 min. to 44° and kept overnight, gave upon treatment with ice 28% 2-phenyl-4-(1'-*p-nitrophenylidene*)-5-oxazone, m. 175-7° (from EtOH). If the crude orange product is washed with EtOH, the yellow form is removed and a red form is left behind; both have the same m.p. The red form ppts. from hot soln. in EtOH, C₂H₅, or dioxane in the yellow form; the red form dissolved in pyridine and dil. also gave the yellow form. Heating the oxazone with 2% NaOH gave α -benzoylamino- β -(*p-nitrophenyl*)crotonic acid, decomp. 203-4°; use of MeOH and a little MeONa gave the corresponding *Me ester*, m. 181-3°, while the use of PhNH₂ in hot C₂H₅ gave 81% corresponding anilide, decomp. 251-2° (from MeCO-C₂H₅); piperidine gave the *biphenyl*, decomp. 211-13° (from dioxane). 1 (1.00 g.), 0.45 g. K₂CO₃, 1.0 ml. AcO, and 1 g. m-O₂NC₆H₄Ac, similarly gave 13.3% 2-phenyl-4-(1'-*m-nitrophenylidene*)-5-oxazone, m. 174-6° (from EtOAc); this heated with 2% NaOH gave α -benzoylamino- β -(*m-nitrophenyl*)crotonic acid, decomp. 197-8° (from dil. EtOH); heating the oxazone with piperidine in C₂H₅, 1 hr. gave the corresponding *biphenyl*, decomp. 218-17° (from EtOH-dioxane). Acetylamine treated with piperidine in C₂H₅ gave glutaric acid, C₂H₅O₂N₂, m. 140-7°; acetylamine gave similarly C₂H₅O₂N₂, m. 108-11°; α -benzamidocinnamic acid gave C₂H₅O₂N₂, m. 153-4°; α -benzamidocinnamic acid gave C₂H₅O₂N₂, m. 152-3°; α -benzamidopropionic acid gave C₂H₅O₂N₂, m. 181-2°; α -acetylamido-*p*-methoxycinnamic acid gave C₂H₅O₂N₂, m. 181-2°; and α -benzamidop-methoxycinnamic acid gave C₂H₅O₂N₂, m. 105-9°. G. M. Kosolapoff

[illegible]

PROCESSING AND PROPERTIES INDEX																									
1ST AND 2ND COVERS													3RD AND 4TH COVERS												
Simultaneous solubility of aluminum, sodium, potassium, and ferric nitrates in water in presence of nitric acid. III. A. I. SAKLAVSKI and J. A. RAYNE (J. Gen. Chem. Russ., 1938, 9, 1472-1478; cf. A., 1938, I, 198).—The solid phases in the system $\text{Al}(\text{NO}_3)_3\text{-Fe}(\text{NO}_3)_3\text{-H}_2\text{O}$, at 0°, 20°, and 40°, consist of an unbroken series of mixed crystals of $\text{Al}(\text{NO}_3)_3 \cdot 9\text{H}_2\text{O}$ and $\text{Fe}(\text{NO}_3)_3 \cdot 9\text{H}_2\text{O}$. The d-, n-, and m.p.-composition curves of the mixed crystals confirm the unlimited mutual solubility of their components. R. T.																									
AS 15.6 METALLURGICAL LITERATURE CLASSIFICATION																									

ORLOV, S.F., doktor tekhn. nauk; GOL'DBERG, A.M., kand. tekhn. nauk;
BELOZHEV, Ye.Ya., aspirant; YERSHOV, I.S., inzh.; LYCHEV, D.P.,
inzh.; RAVDIN, P.D.

First attempts at the skidless conveying of timber. Mekh. trud. rab.
11 no.10:6-8 0 '57. (MIRA 10:11)

(Lumber--Transportation)

RAVIN, V.G.

Plant tests of pyrolytic petroleum benzene as a raw material for obtaining phenol and acetone from cumene. Nefteper. i neftekhim. no.12:31-33 '63. (MIRA 17:4)

1. Groznenskiy khimicheskiy zavod.

RAVDIN, V.G.

Effect of isobutylene impurities on the alkylation of benzene
with propylene in the presence of aluminum chloride. Nefteser.
i neftekhim. no.8:26-28 '64. (MIRA 17:10)

1. Groznenskiy khimicheskiy zavod.

ANALYTICAL, N. S.; RESEARCH, IN. A.

"The Co-solubility of Nitrates of Aluminum, Sodium, Potassium and Iron in Water in the Presence of Nitric Acid. Part III", Zhur. Obshch. Khim., 9, No. 16, 1939. State Institute of Applied Chemistry. Rec'd 28 Feb 1939.

Report U-1614, 3 Jan 1952.

L 51410-65 EWT(m)/EPT(c)/EWP(j) Po-4/Pr-4 RM

ACCESSION NR: AP5015463

UR/0318/64/000/008/0026/0028

AUTHOR: Ravdin, V.G.

TITLE: Influence of isobutylene admixtures on the alkylation of benzene by propylene in the presence of aluminum chloride

SOURCE: Neftepерerabotka i neftekhimiya, no. 8, 1964, 26-28

TOPIC TAGS: ethylene, isomer, alkylation, benzene, propylene, catalysis

Abstract: Although it was shown that the presence of 0.6% of isobutylene does not affect the alkylation of benzene by ethylene, the operation of the Groznyy Chemical Plant seemed to be often seriously upset by the presence of butylenes in the propane-propylene fraction. The alkylating agents showed a considerable decrease in productivity, and this prompted the author to study the influence of isobutylene on the alkylation of benzene with propylene in the presence of aluminum chloride. The alkylation was carried out with cryoscopic benzene and the propane-propylene fraction of the Novogroznskiy Refinery containing approximately 50% unsaturated hydrocarbons. A complex of $AlCl_3$ with aromatic hydrocarbons served as catalyst. The results are presented in the form of

Card 1/2

L 51410-65

ACCESSION NR: AP5015463

2
[diagram and empirical equations, and they show that even 0.1% increase of iso-butylene above the 0.8% mark results in significant changes in the alkylation process. The increase in isobutylene concentration also reduces the yield of polyalkylbenzenes and resins. Orig. art. has 2 graphs.]

ASSOCIATION: Groznenskiy khimicheskiy zavod (Groznyy Chemical Plant)

SUBMITTED: 00

ENCL: 00

SUB CODE: FP, 00

NO REF SOV: 004

OTHER: 000

JPRS

mc
Card 2/2

BOL'SHAM, Ya.M.; VINOGRADOV, A.A.; VOLOBRINSKIY, S.D.; GEYLER, L.B.; GRUDINSKIY, P.G.; DOLGINOV, A.I.; ZIL'BERMAN, R.I.; KAZAK, N.A.; KLETENIK, B.I.; KNYAZEVSKIY, B.A.; LIVSHITS, D.S.; MEL'NIKOV, N.A.; MININ, G.P.; MUKOSEYEV, Yu.L.; NAYFEL'D, M.R.; PETROV, I.I.; RAVIN, V.I.; SAMOVER, M.L.; SERBINOVSKIY, G.V.; SYROMYATNIKOV, I.A.

Lev Veniaminovich, 1905; on his 60th birthday. Prom. energ. 20
no.9:43 S '65. (MIRA 18:9)

BC

A-1

Solubility of salts in liquid ammonia. The systems: NaCl-NaBr-NH_3 , and $\text{NaCl-NaNO}_2\text{-NH}_3$, at 0° . M. A. FOMINOV and J. A. RANGEL-S. (Dokl. Akad. Nauk, 1967, 7, 2478-2483).—The solubility of NaBr rises from 117.6 to 1370 g. per kg. NH_3 , as the temp. rises from -44.5° to 25° ; that of NaNO_2 rises similarly from 706 to 1626 g. per kg. NH_3 , over the range -50.5° to 60° . The solubility of NaBr or NaNO_2 in liquid NH_3 falls with increasing $[\text{NaCl}]$; the solid phases are NaCl , NaBr , and NaNO_2 . Mixed crystals are not formed. R. T.

R. T.

ASD-36A DETALLING LITERATURE CLASSIFICATION

2

ca

Solubility of salts in liquid ammonia and systems:
 NaCl-NaBr-NH_3 ; $\text{NaCl-NaNO}_2\text{-NH}_3$, at 0° . M. A.
 Portou and V. A. Moudin, *J. Gen. Chem.* (U. S. S. R.)
 7, 2478 (1957). For the system
 NaCl-NaBr-NH_3 , the sol. of NaCl and NaBr, resp., in
 g. per 100 g. soln. is 11.60, 0, 10.20, 5.04, 8.10, 10.07, 6.61,
 21.20, 5.70, 28.22, 4.03, 29.02, 4.54, 31.01, 6.12, 35.42,
 3.01, 35.96, 1.74, 37.85 and 0.39, 0. A eutectic appears at
 4.25% NaCl, 35.42% NaBr and 60.44% NH_3 . For the
 system $\text{NaCl-NaNO}_2\text{-NH}_3$, the sol. of NaCl and NaNO_2 ,
 resp., in g. per 100 g. soln. is 11.60, 0, 10.20, 3.51, 9.34,
 11.20, 7.41, 18.77, 0.79, 21.90, 0.43, 22.80, 4.22, 41.00,
 0.95, 40.64, 0.92, 39.70, 0.83, 35.12 and 0.56, 0.4. A eutec-
 tic appears at 0.83% NaCl, 35.12% NaNO_2 and 64.05%
 NH_3 . Sol. of NaBr in NH_3 was investigated in the
 interval -44.5° to $+25^\circ$, and is shown to increase in
 this interval from 117.6 g. to 1370 g. per 1000 g. NH_3 .
 Sol. of NaNO_2 in NH_3 is shown to increase from 706 g.
 at -40.5° to 1485 g. at $+60^\circ$ per 1000 g. NH_3 . The
 existence of solid solns. between NaCl and NaBr could
 not be established. S. L. M.

1ST AND 2ND CROSS																										3RD AND 4TH CROSS																									
PROCESS AND PROPERTIES INDEX																																																			
Obtaining chlorine and sodium nitrate by the action of nitric acid on chlorides. M. B. Vasil'ev and Ya. A. Stavitskiy. J. Chem. Ind. (U. S. S. R.) 14, 1120-24 (1957). The literature is reviewed extensively. NaCl is best treated with 63.5% HNO₃ in the ratio HNO₃/NaCl = 2.2 at 95-100° for 3.5-3 hrs. Under these conditions, 60% of the Cl forms free Cl₂ and 40% is found as NaOCl. Evapn. of the residual acid, and crystn. of the NaNO₃ brine 15% give this salt in very pure form. The NaOCl is 81% oxidized to NO₂ and Cl₂ by air and 65% HNO₃ at 18-20°. Oxidation by air over MnO₂ or SnO₂ at 60° (60%) is less effective. The best material for the app. is Fe-Si-Mo alloy, though Fe-Si alloys are also good. H. M. L.																																																			
600-514 METALLURGICAL LITERATURE CLASSIFICATION																																																			
SOLUBILITY													SOLUBILITY													SOLUBILITY													SOLUBILITY												

Reaction between ammonium chloride and nitric acid
 D. D. Vasil'ev, V. A. Kavalin and E. I. Luk'yanova
 Gen. Chem. (U. S. S. R.) 7, 2013 (1972) in English 2018
 (1972). - A study was made of equil. between the solid
 phase components in the reaction $\text{NH}_4\text{Cl} + \text{HNO}_3 \rightleftharpoons$
 $\text{HCl} + \text{NH}_4\text{NO}_3$. At 100° the reaction is represented by
 the equation $\text{HNO}_3 + 3\text{NH}_4\text{Cl} \rightarrow \text{NOCl} + \text{Cl}_2 + 3\text{N}_2 +$
 $3\text{H}_2\text{O} + 8\text{H}_2\text{O}$ and no NH_4NO_3 is formed. At 85° and 75°
 the yield of NH_4NO_3 on the basis of NH_4Cl taken is 22.9%
 and 54.7-60.6%, resp. Nitrate salts, such as KNO_3 and
 NH_4NO_3 , stabilize the reaction in the direction of formation
 of NH_4NO_3 . S. I. Malovsky

САСИЯВСКИЙ, А. Т.: АНТОН, Я. А.

"The Co-solubility of Nitrates of Aluminum, Sodium, Potassium and Iron in Water in the Presence of Nitric Acid. Part III", Zhur. Obshch. Khim., 9, No. 16, 1939. State Institute of Applied Chemistry. Received 28 Feb 1939.

Report U-1614, 3 Jan 1952.

Miscible solubility of aluminum, sodium, potassium and iron nitrate in water in the presence of steric acid. III
A. S. Zaslavskii and Ya. A. Mandlin. *J. Gen. Chem.* (U. S. S. R.) 9, 1473 (1939); cf. *C. A.* 30, 1044.
The soly. isotherms of the system $\text{Al}(\text{NO}_3)_3\text{-Fe}(\text{NO}_3)_3$ at 0°, 20° and 40° were studied. The true equil. between the solid and liquid phases was effected by soln. of the salts at higher temps. and crysln., with vigorous stirring, at the given temps. The compos. of the solid phase was studied by Schreinemakers' method and by detn. of do., a and m. pt. of the mixed crystals. The tabulated and plotted results show the formation of continuous series of mixed crystals of $\text{Al}(\text{NO}_3)_3\cdot 9\text{H}_2\text{O}$ and $\text{Fe}(\text{NO}_3)_3\cdot 9\text{H}_2\text{O}$ with unlimited soly. at all the temps. investigated.
Chas. Blane

RAVDIN, Ya.A., kand. khimicheskikh nauk

Use of acrylic paints. Biul.tekh.-ekon.inform.Gos.nauch.-issl.
inst.nauch.i tekhn.inform. 18 no.1:23 Ja '65.

(MIRA 18:4)

ZISMAN, I.F.; RAVDINA, N.G.

Kidney function in oncological patients before and after surgery. Trudy Kish. gos. med. inst. 24:69-79 '64 (MIRA 18:1)

1. Moldavskiy nauchno-issledovatel'skiy institut onkologii. Nauchnyye rukovoditeli - doktor med. nauk. S.D. Goligorskiy i prof. P.P. Khokhlov.

MAWLINE, J. A.

"Solubilité des sels dans l'ammoniac liquide. Systemes: $\text{NaCl}-\text{NaBr}-\text{NH}_3$ et $\text{NaCl}-\text{NaNO}_3-\text{NH}_3$ a 0° ". Fortnow, M. A., Mawline, J. A. (p. 2485)

SO: Journal of General Chemistry (Zhurnal Obshchei Khimii). 1937, Volume 7, No. 19.

RAVDINE, J. A.

"Solubilité simultané des nitrates d'aluminium, de sodium, de potassium et de fer dans l'eau en présence d'acide nitrique. III." Zaslavskii, A. I.; Ravdine, J. A. (p. 1473)

SO: Journal of General Chemistry
(Zhurnal Obshchei Khimii) 1939, Volume 9, #16

RAVDINE, J. A.

"Sur la question de la reaction du chlorure d'ammonium avec l'acide nitrique". Vassiliev, B. B., Ravdine, J. A., Loukjanova, E. I. (p. 2918).

SO: Journal of General Chemistry (Zhurnal Obshchei Khimii). 1937, Volume 7, No. 24.

RAVLO, N. A.

N. S. ILIN, Caoutchouc and Rubber (U.S.S.R. 1939, No. 11, 39-4

NOSONOV, Dmitriy Nikolayevich, Dr. Biol Sci., and RAVLONIK, K. S.

"The Reaction of Isolated Transversely-striated Muscles to Audible Sounds." Zef. Zhur., Vol 33, No 5, 1947, p 571. Laboratory of the Physiology of Cells, Physiology Inst, Leningrad State University and Chair of "LCR" (?) of the Naval Medical Academy.

SO: U-4396

B. A.

AWI-8

Effect of sound waves on isolated eye-muscles
 K. K. HARRISON (C. S. Acad. Sci. U. S. S. R., 1959, No. 200-204) — (See
 in being made of the fact that the vital staining (Neutral-red and
 Cyano) tissues were intense if some kind of irritation acts in the
 tissue. The aim of the work was (1) to confirm the curve of Harnov
 and Harnov about the staining of muscle under the influence of
 sound waves of constant intensity but of various vibration frequencies,
 (2) to estimate the dependence of the vital staining of the muscle
 on the intensity of the sound at const. frequency (3000 Hertz),
 (3) to find the threshold of muscular contractions while increasing
 the intensity of the sound waves at a const. frequency (3000 Hertz),
 and (4) to follow the change in the excitability of the muscle under
 the influence of acoustical excitations. The curve (1) was confirmed
 with a const. of vital staining on 3000 Hertz. The threshold character
 of the acoustical excitation is confirmed, starting with 70 decibels
 with a sudden increase in vital staining at 100 decibels after which it
 remains on the same level up to 150 decibels. The excitability of the
 muscle grows during the first 20 min. at 100 decibels, 3000 Hertz
 after which it falls again, which proves a typical two-phase action
 of the agent. The excitability is measured every 10 min. in a pulse
 Raymond indicator at 10 cm. distance from the diffuser.

H. TAYLOR

DAVIDSON, T. C.

USSR/Medicine - Muscles, Physiology
Medicine - Sounds, Effect of

May 49

"Direct Action of Audible Sounds on Isolated Transverse-Striated Muscle," I. S. Ravdonik, 4 pp

"Dok Ak Nauk SSSR" Vol LXVI, No 2, p. 293-296

Gives results of research on the color of laryngeal muscles in response to sounds of varying intensity and frequency, and changes in their excitability under the influence of sound irritants. Observed sound contracture threshold when sounds were intensified. Submitted by Acad K. M. Bykov, 7 Mar 49.

32/49769

PAVLOV, K. S.

I

II Assoc. Lab of Histophysiology, Inst. Physiology imeni PAVLOV, DBS.AS.USSR

III

IV "Reaction of Cells of the Organism to Noise from Explosion," (article by S.N.ROMANOV;
from Lab Histophysiology; assisted in experiments for.) Fiz. Zhurn. '54, v40, n1, pp86-89

RAVDONIK, K.S.; SOLDATOV, I.B.

Professor Roman Andreevich Zasosov. Vest.oto-rin 17 no.2:86-87 Mr-
Ap '55. (MIRA 8:7)

1. Po porucheniyyu kollektiva sotrudnikov.
(BIOGRAPHIES,
Zasosov, Roman A.)

WVICHUK, V. S.

The following is among dissertations of the Leningrad Polytechnic Institute ineri
Galinin:

"Carrying Capacity of Overhead Electric Lines as Determined by the Thermal Stability of the lines." 21 February 1947. Determination was made of the maximum temperature for hard-drawn copper and aluminum wires, which does not change the mechanical properties of the wires. An investigation was made of the temperature as a function of the passing current and the speed of the air streams which cool the wires under conditions quite close to linear. A determination was made of the change in the characteristics of contact joints in wires of overhead transmission lines upon heating.

SO: M-1048, 28 Mar. 56.

AID P - 4115

Subject : USSR/Electricity

Card 1/1 Pub. 27 - 2/33

Authors : Zalesskiy, A. M., Doc. Tech. Sci., Prof., V. S. Raydonik, Kand. Tech. Sci., Dotsent, and G. I. Stepanov, Eng.

Title : Mikhail Andreyevich Shatelen. On the occasion of his 90th birthday and the 65th anniversary of his engineering, educational, scientific and social activity.

Periodical : Elektrichestvo, 12, 2-6, D 1955

Abstract : The authors give a detailed description of the life and activities of the distinguished scientist and professor. One photograph.

Institution : None

Submitted : 0 31, 1955

ISACHENKO, A.I.; SHAFRANOVSKIY, K.I.; RAVDONIK, V.S., red.; CHEBOTAREV, G.A.,
otvetstvennyy red.; LUPPOV, S.P., otvetstvennyy red.; ARONS, R.A.,
tekhn.red.

[Mikhail Andreevich Shatelen; a bibliography] Mikhail Andreevich
Shatelen; bibliograficheskiy ukazatel'. Sost. A.I.Isachenko, K.I.
Shafranovskii. Pod red. V.S.Ravdonika. Moskva, 1958. 198 p.
(MIRA 11:4)

1. Akademiya nauk SSSR. Biblioteka.

(Bibliography--Shatelen, Mikhail Andreevich, 1866-1957)

Ravdonik, V. S.

SOV105-56-7-18/32

AUTHORS:

Neyman, L. R., Corresponding Member, Academy of Sciences, USSR
Solotov, V. V., Doctor of Technical Sciences
Melent'yev, L. A., Doctor of Economic Sciences
Glinternik, S. P., Candidate of Technical Sciences
Ravdonik, V. S., Candidate of Technical Sciences

TITLE:

On the Prospects of Using Direct Current Transmissions in
the USSR (O perspektivakh primeneniya elektropredach
postoyannogo toka v Sovetskom Soyuze)

PERIODICAL:

Elektrichestvo, 1958, Nr 7, pp. 71 - 74 (USSR)

ABSTRACT:

This work comments on the article written by N. M. Mel'gunov
in Elektrichestvo, 1957, Nr 2. The following view is ex-
pressed: 1) If restrictions for the nominal output of long-
-distance intermediate-system main electric transmission
lines comparison of alternating current- and direct current
transmissions must be carried out for optimum outputs.
2) In the case of a transmission of great amounts of energy
over long distances by utilizing the technical maximum capa-
city of a line, the advantages in case of a direct current

Card 1/3

SOV/105-56-7-18/32

On the Prospects of Using Direct Current Transmissions in the USSR

transmission are so great with respect to capital investments and to annual expenses that they cover the amount of any possible error caused by estimating expenses. 3) The power moment per circuit may serve as a characteristic index for a large-scale main transmission. This index is equal to the product of the nominal output P of the circuit and the length L of the transmission line. In the case of $M < 1200 \text{ GW.km}$ alternating current transmission, and in the case of $M > 2400 \text{ GW.km}$ direct current transmission is more advantageous. 4) The existence of large hydroelectric power reserves and easily accessible coal deposits (which allow surface mining) of low heating value, in West- and Central Siberia without doubt makes it possible to use d.c. transmissions on the main lines in consideration of the great fuel deficit in the Ural and other Western areas. 5) Besides the continuation of work in the Institut postoyan-nogo toka (Institute of Direct Current), in the Energeticheskiy institut Akademii nauk SSSR (Institute of Power Engineering, AS USSR), in the Vsesoyuznyy elektrotekhnicheskiy institut (All-Union Institute of Electro-Engineering) and in other organizations for the improvement of the circuits of

Card 2/3

On the Prospects of Using Direct Current Transmissions in the USSR

SOV/105-58-7-18/32

transforming stations and their elements especially in the field of direct current switches, - it is absolutely necessary to pay attention to the industrial production of this promising type of new engineering and to apply it under real operational conditions. From this point of view, the construction of the transmission of the hydroelectric power station Stalingrad - Donbass would also be necessary even if substantial additional sums would have to be invested, but this is, in reality, not the case. There are 4 tables.

ASSOCIATION: Energeticheskiy institut im. Krzhizhanovskogo Akademii nauk SSSR (Institute of Power Engineering imeni Krzhizhanovskiy, AS USSR)

1. Transmission lines--Performance

Card 3/3

VOL'DEK, A.I.; DOMANSKIY, B.I.; DRANNIKOV, V.S.; ZALESKIY, A.M.;
KAMENSKIY, M.K.; KANTAN, V.V.; KASHKAROV, G.Ye.; KIZEVETTER, Ye.I.;
KLIMOV, A.N.; KOVALEV, N.N.; KOSTENKO, M.P.; KOSTENKO, M.V.;
NEYMAN, L.R.; PAVLOV, G.M.; RAVDONIK, V.S.; RIZIN, Ya.L.;
SIDOROV, M.M.; SHRAMKOV, Ye.G.

Professor Sergei Vasil'evich Usov, 1905- ; on his 60th birthday.
Elektrichestvo no.11:86 N '65. (MIRA 18:11)

ACC NR: A76013617

SOURCE CODE: UR/0105/65/000/011/0026/0026

AUTHOR: Vol'dek, A. I.; Domanskiy, B. I.; Drannikov, V. S.; Zalesskiy, A. M.;
Kukrenskiy, M. K.; Kantan, V. V.; Kashkarov, G. Ye.; Kizevvetter, Ye. I.; Klimov, A. N.;
Kovalev, N. N.; Kostenko, M. P.; Kostenko, M. V.; Neyman, L. R.; Pavlov, G. M.;
Ravdonik, V. S.; Ruzin, Ya. L.; Sidorov, M. M.; Shramkov, Ye. G.

ORG: none

TITLE: Professor Sergey Vasil'yevich Usov, on his 60th birthday

SOURCE: Elektrichestvo, no. 11, 1965, 86

TOPIC TAGS: academic personnel, electric engineering personnel, electric power plant

ABSTRACT: The noted Soviet power specialist Professor S. V. USOV, who was 60 years old last September, graduated from the Leningradskiy elektrotekhnicheskiy institut (Leningrad Electrotechnical Institute) in 1930 and then, for the next twenty years, worked for the Lenenergo power system of which he became chief engineer in 1939. During the blockade of Leningrad he was head of the group which in 45 days managed to connect the beleaguered city with the Volkhovskaya hydroelectric station across the frozen Ladoga lake. He also carried out the adaptation of the boilers of the Leningrad thermal power plant to consume the locally available fuel. In 1949 he became professor and head of the Department of Electric Stations.

Card 1/2

UDC: 621.311.1

L 22429-66

ACC NR: AP6013617

of the Leningradskiy politekhnicheskii institut (Leningrad Polytechnic Institute) in. Kalinin. In addition to his fruitful pedagogical endeavors, he published 50 scientific papers. From 1955 to 1958 he was a deputy director for scientific work. In 1964 he was elected Dean of the Electromechanical Faculty of the Institute. He joined the Party in 1942; from 1943 to 1955 was deputy president of the central board of the NTOEP Nauchno-tekhnicheskoye obshchestvo energeticheskoy promyshlennosti; Scientific Engineering Society of Power Industries⁷, president of the section of power systems of NTOEP, and member of numerous scientific-engineering councils. For many years he was a member of the editorial board of the journal Elektricheskiye stantsii (Electric Stations). For his contributions in the field of power engineering S. V. USOV was awarded the Order of Lenin, Order of Red Banner of Labor, Order of Red Star, Badge of Distinction, and the medals: "For the Defense of Leningrad" and "For Distinguished Service During the Patriotic War." Orig. art. has: 1 figure. [JPRS]

SUB CODE: 10 / SUBM DATE: none

Card 2/2 B.L.G

BASHARIN, A.V.; BELYAKOV, V.A.; DONSKOY, A.V.; NEYMAN, L.R.; RAVDONIK,
V.S.; RENNE, V.T.; RUZIN, Ya.L.; SABININ, Yu.A.; USOV, S.V.

Vasiliï Gavrilovich Drannikov, 1904 -; on his 60th birthday
and the 35th anniversary of his theoretical and educational
work. Elektrichestvo no.10:87 0 '64. (MIRA 17:12)

-BOLOTOV, V.V. (Leningrad); RAVDONIK, V.S. (Leningrad); IVANOV, I.I.
(Leningrad); CHERVONENKIS, Ya.M., kand.tekhn.nauk (Moskva)

Transmission of electric power at long distances. Prospects of
stepping-up the voltages of overhead power transmission lines.
Elektrichestvo no.9:77-80 S '63. (MIRA 16:10)

IVANOV, I.I.; RAVDONIK, V.S.

Effect of intermediate substations on the efficiency of d.c. and a.c.
power transmission systems. Sb. rab. po vop. elektromekh. no. 8:8-17 '63.
(MIRA 16:5)

(Electric power distribution)

RAVDONIK, V.S.; RADOVSKIY, M.I.

Aleksandr Alekseevich Chernyshev on his 80th birthday.
Elektrichestvo no.1:92-93 Ja '63. (MIRA 16:2)
(Chernyshev, Aleksandr Alekseevich, 1882-)

SMIRNOV, V.S.; KAMENSKIY, M.D.; PODPORKIN, V.G.; DUKEL'SKIY, A.I.;
HEYMAN, L.R.; ZALESSKIY, A.M.; KOSTENKO, M.V.; RAYDOMIE, V.S.;
SHCHERBACHEV, G.V.; LOPATIN, I.A.; MAMONTOVA, A.N.; FILARETOV,
S.N.; KRYUKOV, K.P.; SINELOBOV, K.S.; BOSHINYAKOVICH, A.D.;
BURGSDORF, V.V.; NOVGORODTSEV, B.P.; GOKHBERG, M.M.; STEFANOV, K.S.

Nikolai Pavlovich Vinogradov; obituary. Elektrichestvo no.10:
91-92 0 '61. (MIRA 14:10)

(Vinogradov, Nikolai Pavlovich, 1886-1961)

COMOV, S.H.; NAVDOH, V.S.; IVACH, I.I.

Basis for selecting the type of transformers and transformer
circuits for traction substations electrified by single-phase
50 a.p.s. current. Elek. shel. ser. no. 2:170-179 '60.

(IEEE 14:2)

(Electric railroads--Current supply)
(Electric transformers)

RAVDONIK, Vladimir Stanislavovich, kand. tekhn. nauk; BAKHMUTSKIY, Yevgeniy Yegorovich, inzh.; BUTMAN, S.G., red.; FOMICHEV, A.G., red. izd-va; BELOGUROVA, I.A., tekhn. red.

[Modern low-voltage electric fixtures; lecture transcript) Sovremennaya nizkovol'tnaya elektroustanovochная apparatura; stenogramma lektsii. Leningrad, 1961. 38 p.

(MIRA 14:7)

(Electric wiring, Interior)

ALESKEROVA, Z.T.; KRITSUK, G.S., LI, P.F., LITVINENKO, I.V.; OSADCHAYA, D.V.;
OSTROUMOVA, A.S.; OSYKO, T.I.; ~~PANDONIKAS, O.L.~~; ROSTOVTSEV, M.N.;
SIMONENKO, T.N.; TOLSTIKHINA, M.A.; ZHBSIN, B.B.; BABINTSEV, red.
izd-va; KRYNOCHKINA, K.V., tekhn.red.

[Geological structure and oil-producing prospects of the West
Siberian Plain] Geologicheskoe stroenie i perspektivy nefte-
gazovosti Zapadno-Sibirskoi nizmennosti. Pod obshchei red.
N.N.Rostovtseva. Moskva, Gos.nauchno-tekhn.isd-vo lit-ry po geol.
i okhrane neдр, 1958. 390 p.
(MIRA 11:12)

1. Leningrad. Vsesoyuznyy geologicheskii institut.
(West Siberian Plain--Petroleum geology)

YEMEL'YANOVA, O.S.; RAVDONIKAS, O.V.; YEGOROVA, L.S.; PANINA, N.V.;
PILIPENKO, V.G.; RUDNEV, M.M.; SIL'CHENKO, V.S.; BESSONOVA, M.A.;
UL'YANOVA, N.I.; VEDENEYEVA, Ye.V.; BOROLIN, V.P.; SAMSONOVA, A.P.;
MYASNIKOV, Yu.A.; LEVACHEVA, Z.A.

Approbation of an improved tularemia diagnosticum. Zhur.
mikroobiol., epid. i immun. 40 no.10:85-92 0 '63.

(MIRA 17:6)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamaley
AMN SSSR, Omskogo instituta prirodnookhagovykh infektsiy,
Protivochumnogo instituta Kavkaza i Zakavkaz'ya, Voronezhskoy,
Leningradskoy, Volgogradskoy, Tul'skoy sanitarno-epidemiologicheskikh
stantsiy.

MAKSIMOV, Vasilii Mikhaylovich, dotsent, kand.geologo-miner.nauk; ASATUR, K.G., dotsent, kand.tekhn.nauk; DAVIDOVICH, V.I., dotsent, kand.tekhn.nauk; ALBUL, S.P., kand.geologo-miner.nauk; PAUKER, N.G., inzh.-gidrogeolog; OSTROUMOV, B.P., gidrotekhnik; ZAYTSEV, I.K., doktor geologo-miner.nauk; TOLSTIKHIN, N.I., prof., doktor geologo-mineral.nauk; REZNIKOV, A.A., kand.khim.nauk, starshiy nauchnyy sotrudnik; MERSHALOV, A.F., assistant; VOROTYNTSEV, V.T., dotsent, kand.tekhn.nauk; MARKOV, I.A., dotsent, kand.geologo-miner.nauk; KIRKIS, Ye.Ye., dotsent, kand.geologo-miner.nauk; KHITROV, I.N., inzh.-geolog; BOROVITSKIY, V.P., kand.geologo-miner.nauk; RAYDONIKAS, O.V., kand.geologo-miner.nauk; ONIN, N.M., kand.geologo-miner.nauk; BASKOV, Ye.A., inzh.-gidrogeolog; NOVOZHILOV, V.M., dotsent, kand.geologo-miner.nauk; PEKEL'NIYY, I.S., inzh.-gidrogeolog; NEVEL'SHTEYN, Yu.G., inzh.-gidrogeolog; BOSKIS, S.G., inzh.-gidrotekhnik; NIKIFOROV, Ye.M., inzh.-gidrogeolog; GATAL'SKIY, M.A., prof., doktor geologo-miner.nauk, nauchnyy red.; DOLMATOV, P.S., vedushchiy red.; GEN-NAD'YEVA, I.M., tekhn.red.

[Hydrologist's handbook] Spravochnoe rukovodstvo gidrogeologa. Leningrad, Gos.nauchno-tekhn.izd-vo nef. i gorno-toplivnoi lit-ry, Leningr.otd-nie, 1959. 836 p. (MIRA 12:4)

1. Vsesoyuznyy geologicheskii nauchno-issledovatel'skiy institut (for Reznikov).

(Hydrology)

RAVDONIKAS, O.V.; ROZIN, A.A.; ROSTOVITSEV, N.N.

Study of underground waters of the West Siberian Plain based on
deep-drilling data. Trudy SNIIGGIMS no.1:106-119 '59.

(MIRA 15:4)

(West Siberian Plain—Water, Underground)
(Logging (Geology))

LI, P.F.; RAVDONIKAS, O.V.; IONINA, I.N., vedushchiy red.; YASHCHURZHINSKAYA, A.B., tekhn.red.

[Geological structure and prospects for finding oil and gas in the Tavda River Basin of the West Siberian Plain] Geologicheskoe stroenie i perspektivy neftegazonosnosti basseina r. Tavdy Zapadno-Sibirskoi nizmennosti. Leninrad. Gos. nauchno-tekhn.izd-vo nef. i gorno-toplivnoi lit-ry. Leningr. otd-nie, 1960. 169 p. (Leningrad. Vsesoiuznyi geologicheskii institut. Materialy, no.38) (MIRA 14:7)
(Tavda Valley--Petroleum geology)
(Tavda Valley--Gas, Natural-Geology)

LI, P.F.; RAVDONIKAS, O.V.; PYATNITSKIY, V.K.; RUSAKOVA, L. Ya., literaturnyy red.; YASHCHURZHINSKAYA, A.B., tekhn.red.

[Geology, and oil and gas potentials of the Berezovo gas-bearing region in the West Siberian Plain; based on petroleum prospecting, key well drilling, hydrogeological, and geophysical data] Geologicheskoe stroenie i perspektivy neftegazonosnosti Berezovskogo gazonosnogo raiona Zapadno-Sibirskoi nizmennosti; po materialam nefterazvedochnogo i opornogo bureniya, gidrogeologicheskikh i geofizicheskikh rabot. Leningrad, 1960. 174 p. (Leningrad. Vsesoiuznyi Geologicheskii institut. Trudy, vol. 36) (MIRA 14:3)

(West Siberian Plain--Petroleum geology)

(West Siberian Plain--Gas, Natural--Geology)

LI, P.F.; RAVDONIKAS, O.V.; DOLMATOV, P.S., vedushchiy red.; YASHCHURZHINSKAYA, A.B., tekhn.red.

[Geology, and oil and gas potentials of the Tyumen' portion of the trans-Ural region; materials on test and key drilling for petroleum, hydrogeological, and geophysical studies] Geologicheskoe stroenie i perspektivy neftegazonosnosti Tiimenskogo Zaural'ia; po materialam nefterazvedochnogo i opornogo bureniia, gidrogeologicheskogo oprobovaniia i geofizicheskikh rabot. Leningrad, Gos'nauchn.-tekhn. izd-vo nef. i gorno-topl. lit-ry leningr. otd-nie, 1960. 233 p. (Leningrad, Vsesoiuznyi geologicheskii institut. Materialy, no. 36) (MIRA 14:3)
(Tyumen' Province--Petroleum geology)
(Tyumen' Province--Gas, Natural--Geology)

LI, P.F.; RAVDONIKAS, O.V.; PEVZNER, V.S.; RUSAKOVA, L.Ya.; red.;
YASHCHURZHINSKAYA, A.B., tekhn.red.

[Geology, and oil and gas potentials of the Ust'-Irtysk trough in
the West Siberian Plain] Geologicheskoe stroenie i perspektivy
neftegazonosnosti. Leningrad, 1960. 230 p. (Leningrad. Vsesoiuznyi
geologicheskii institut. Trudy, vol.33). (MIRA 13:11)

(West Siberian Plain--Petroleum geology)
(West Siberian Plain--Gas, Natural--Geology)

AVAKYAN, A.A.; LEBEDEV, A.D.; RAVDONIKAS, O.V.; CHUMAKOV, M.P.

Role of mammals in the formation of a natural reservoir of the
Omsk hemorrhagic fever. Zool.shur. 34 no.3:605-608 My-Je '55.
(MLA 8:8)

1. Institut virusologii im. D.I.Ivanovskogo Akademii meditsin-
skikh nauk SSSR.

(Hemorrhagic fever)

OLSUF'YEV, N.G.; TSVETKOVA, Ye.M.; BORODIN, V.P.; KOROLEVA, A.P.; SIL'CHENKO, V.S.; KHOROSHEV, I.G.; MYASNIKOV, Yu.A.; PERFIL'YEVA, Z.A.; KRATOKHIL' N.I.; VAYSTIKH, M.A.; RAYDONIKAS, O.V.; BARANOVA, N.K.; ZIMINA, V.Ye.; TORMASOVA, L.N.; USTIN-PETHOVA, T.P.; AREF'YEV, S.S.; KONKINA, N.S.; KUL'BA, A.P.; MAL'TSEVA, N.K.; SHELANOVA, G.M.; SORINA, A.M.; BRANITSKAYA, V.S.; PRUDNIKOVA, M.N.

Tularin from a vaccinal strain for epicutaneous use. Zhur. mikro-biol.epid. i immun. 27 no.9:22-28 S '56. (MLBA 9:10)

1. Iz Instituta epidemiologii i mikrobiologii im. N.F.Gamalei AMN SSSR i protivotuliaremiynykh stantsiy Stalingradskoy, Voroneshskoy, Tul'skoy, Plavskoy, Omskoy, Krasnodarskoy, Moskovskoy i Smolenskoy. (TULARINIA, diagnosis, tularin epicutaneous test (Rus))

RAVDONIKAS, O. V., GAGARINA, A. V., NETSKIY, G. I.

"Urgent problems of medical geogaphy of parasitary and natural-nidi infections and their connection with the geographic landscape."

report submitted at the 13th All-Union Congress of Hygienists, Epidemiologists and Infectionists, 1959.

RAYDONIKAS, G. V., NETSKIY, G. I., DAVYDOVA, M. S.

"The zoogeography of the ixodic ticks in the West Siberian lowland as a prerequisite of the epidemiological landscape zoning according to tick encephalitis and similar diseases." p. 33

Dasyatoye Soveshchaniye po parazitologicheskim problemam i prirodnoochagovym boleznyam. 22-29 Oktyabrya 1959 g. (Tenth Conference on Parasitological Problems and Diseases with Natural Foci 22-29 October 1959), Moscow-Leningrad, 1959, Academy of Medical Sciences USSR and Academy of Sciences USSR, No. 1 254 pp.

NETSKIY, G.I.; RAVDONIKAS, O.V.

Prerequisites of the division of the West Siberian Low-
land into epidemiological landscape regions with regard to
tick-borne encephalitis. Trudy Inst.sool.AN Kazakh.SSR 12:
30-42 '60. (MIRA 13:7)

(Siberia, Western—Encephalitis)
(Ticks as carriers of disease)

RAVDONIKAS, O. V.

Cand Biol Sci - (diss) "Landscape-epidemiological zoning of the Omskaya Oblast with regard to tularemia." Omsk, 1961. 22 pp; 1 page of maps; (Academy of Medical Sciences USSR, Inst of Epidemiology and Microbiology imeni I. F. Gamelei); 250 copies; price not given; list of author's works on pp 21-22 (14 entries); (KL, 10-61 sup, 211)

RAVDONIKAS. O.V.; YEGOROVA. I.S.

Epizooty of tularemia in muskrat population and its role in preserving tularemia agent in winter in the bodies of water of Omsk Province. Zool. zhurn. 44 no.6:948-951 '65.

(MIPA 18:10)

1. Otdel osobo opasnykh infektsiy Omskogo nauchno-issledovatel'skogo instituta prirodnocchagovykh infektsiy.

Yul' M.V., L.L.: Zhur., 1964, 12:3; Zhur., 1964, 12:3.

Mixed epizootic tularemia and Omsk hemorrhagic fever in muskrats
in western Siberia. Zhur. mikrobiol., epid. i immun. 41 no.12:
26-29 D '64. (MIRA 18:3)

1. Omskiy institut prirodnookhlagovykh infektsiy Ministerstva zdavo-
okhraneniya RSFSR.

L 40247-65 EWT(1)/EWA(3)/EWA(b)-2 JK
ACCESSION NR: AP5012389

UR/0016/64/000/012/0026/0029

AUTHOR: Yegorova, L. S.; Korsh, P. V.; Ravdonikas, O. V.; Fedorova, T. N.

TITLE: A mixed epizootic of tularemia and Omsk hemorrhagic fever in muskrats in Western Siberia

SOURCE: Zhurnal mikrobiologii, epidemiologii i immunobiologii, no. 12, 1964, 26-29

TOPIC TAGS: bacterial disease, virus disease, disease incidence

Abstract: A mixed epizootic of tularemia and Omsk hemorrhagic fever broke out among muskrats during the fall and winter of 1960-1961 in Omsk, Novosibirsk (Barabashkiy, Kargatskiy, and Chanovskiy Rayons), and Kurgan (Mokrousovskiy Rayon) regions. Therefore, an epizootic among muskrats may threaten human beings not only with tularemia but with Omsk hemorrhagic fever. Orig. art. has 3 tables.

ASSOCIATION: Omskiy institut prirodnoochagovykh infektsiy Ministerstva zdравookhraneniya RSFSR (Omsk Institute of Natural-Focus Infections, Ministry of Health, RSFSR)

SUBMITTED: 03Jun63

ENCL: 00

SUB CODE: LS

NO REF SQV: 005

OTHER: 000

JPRS

Card 1/1

ALIFANOV, V.I.; NETSKIY, G.I.; RAVDONIKAS, O.V.; FEDOROV, V.G.

Data on the epidemiological prognosis of Omsk hemorrhagic fever. Med. paraz. i paraz. bol. 32 no.5:621 S-0'63

(MIRA 16:12)

1. Iz nauchno issledovatel'skogo instituta prirodnookhagovykh infektsiy (dir. G.V. Kornilova) Ministerstva zdravookhraneniya, RSFSR, Omsk.

*

OLSUF'YEV, N.G.; YEMEL'YANOVA, O.S.; UGLOVOY, G.P.; SIL'CHENKO, V.S.; KHOROSHEV, I.G.; YEZHOVA, Ye.N.; BESSONOVA, M.A.; VEDENEYEVA, Ye. V.; AREF'YEV, S.S.; SHELANOVA, G.M.; SORINA, A.M.; BORODIN, V.P.; KOROLEVA, A.P.; SUVOROVA, A.Ye.; ONIKHIMOVSKAYA, V.A.; STOLYAROVA, A.D.; BYSTROVA, K.A.; REPINA, R.F.; MYASNIKOV, Yu.A.; LEVACHEVA, Z.A.; YEGIAZARYAN, K.K.; RAVDONIKAS, O.V.; SARMANEV, A.P.

Optimal periods for testing skin reaction in subjects inoculated against tularemia with a dry live vaccine and vaccinal, reactogenic and immunogenic properties of this preparation. Zhur. mikrobiol. epid. i immun. 32 no.6:92-98 Je '61. (MIRA 15:5)

1. Iz otdela prirodnoochagovykh infektsiy Instituta epidemiologii i mikrobiologii imeni Gamalei AMN SSSR, otdelov Osobo opasnykh infektsiy Voronezhskoy, Leningradskoy, Moskovskoy, Smolenskoy, Stalingradskoy, Tambovskoy, Tul'skoy, oblastnykh sanitarno-epidemiologicheskikh stantsiy i Omskogo instituta epidemiologii, mikrobiologii i gigiyeny.

(TULAREMIA)

(VACCINES)

AYZENBERG, Boris L'vovich; RAVDONIN, V.S., red.; FREGER, D.P.,
red.izd-va; BELOGUROVA, I.A., tekhn. red.

[Efficient power supply for industrial enterprises and
conditions governing the use of deep entrances] Voprosy
ratsional'nogo elektroobrazheniia promyshlennykh pred-
priatii i uslovia primeneniia glubokikh vvodov. Le-
ningrad, 1962. 26 p. (Leningradskii dom nauchno-tekhn-
cheskoi propagandy. Obmen peredovym opytom. Seriya)
Energetika, no.9) (MIRA 16:3)
(Electric power distribution)

RAVEANE, Jindrich

Tasks and development of machinery for the coal industry. Uhli
5 no.10:339-340 0 '63.

1. Reditel narodniho podniku Ostroj, Opava.

3/P-PE-71

RAVEN

RV104-15

First report of the investigation of the accident of the free balloon kartsch von sigsfeld
---Untersuchung Des Ballon-Unfallers Kartsch von Sigsfeld 1 Bericht---By Raven Kohlkerster
and Herb Moskau May 1934 Germ Unclass 5P

The free balloon Kartsch von Sigsfeld took off on 13 May 1934 at 08 -32 in Bitterfeld for a
high-altitude ascent radiation measurements were to be made. The balloon crashed in
Russia after mid-night. The pilot and his companion were found dead; the latter in the
basket, the former at a distance of about 12 KM away. The investigation concludes that
defective functioning of the oxygen apparatus was probably the cause of their deaths and
of subsequent crash.

SOURCE: AIR, AMO, DESK CATALOG OF GERMAN AND JAPANESE AIR-TECHNICAL DOCUMENTS,
March 1948, P. 800, Unclassified.

RAVEN, F.

Czechoslovakia in building. p.12.

(BUDOWNICTWO PRZEMYSLOWE. Vol. 6, No. 5, 1957. Warszawa, Poland)

SO: Monthly List of East European Accessions (EEAL) IC. Vol. 6, No. 10, October 1957. Uncl.

RAVENE

ZWP-1 STILL -RE-52841-1
R8046-F902

Tests on fuze 76 V-1 in Italy---Erprobung zor 76 V-1 in Italien---By Ravene Rechlin
Erprobungsstelle Apr 1944, Germ Secr 17P Incl tables graphs.

Tests were made of bomb fuzes by dropping bombs on industrial targets. It was found
that the sensitive electric fuze can remain unchanged, but that the timing has to be
decreased.

SOURCE: AIR, GNC, DESK CATALOG OF GERMAN AND JAPANESE AIR-TECHNICAL DOCUMENTS
MARCH, 1948 (P.737) Unclassified.

MALIKOV, F.P.; KRASNOV, A.I., inzhener, retsenzent; RAVENKO, V.A., inzhener, retsenzent; GORELOV, V.M., inzhener, redaktor; DUGINA, N.A., tekhnicheskiiy redaktor

[Resistance of metals to cutting] Soprotivlenie metallov rezaniu. Pod red. V.M.Gorelova. 2-e izd. Moskva. Gos. nauchno-tekhn. izd-vo mashinostroit. i sudostroit. lit-ry, 1954. 39 p. (Nauchno-populiarnaya biblioteka rabochego stanochnika, no.3) (MLRA 8:3)
(Metal cutting)

S/079/60/030/007/015/020
B001/B067 82298

53700C

AUTHORS: Raver, Kh. R., Bruker, A. B., Soborovskiy, L. Z.
TITLE: Reaction of Tetrafluoro Ethylene With Boron Trichloride
PERIODICAL: Zhurnal obshchey khimii, 1960, Vol. 30, No. 7,
pp. 2366 - 2368

TEXT: In the introduction, a survey is given on publications on the substitution of chlorine for fluorine bound to carbon. Then, the reaction of tetrafluoro ethylene with boron trichloride is studied. It was expected that boron chloride, like aluminum chloride, would be bound to substitute the fluorine atoms in the carbon fluorides by chlorine. On passing the vapors of boron trichloride and tetrafluoro ethylene over coal at 200-250° boron trifluoride is formed, which is separated and identified in the form of $4\text{BF}_3 \cdot 3(\text{C}_2\text{H}_5)_2\text{O}$, as well as trichloro-fluoro ethylene: $\text{CF}_2 = \text{CF}_2 + \text{BCl}_3 \rightarrow \text{CCl}_2 = \text{CCl} + \text{BF}_3$. The same results were also obtained in reacting tetrafluoro ethylene with boron trichloride in the autoclave at 100-150° under a pressure of 30-35 atm.

Card 1/2

Reaction of Tetrafluoro Ethylene With Boron
Trichloride

S/079/60/030/007/015/020
B001/B067 82298

It must be said that in contrast with the reaction of tetrafluoro ethylene with aluminum chloride, where difluoro-dichloro ethylene and difluoro aluminum chloride are formed, boron trifluoride and trichloro-fluoro ethylene are formed in the above reaction. There are 8 references: 2 Soviet and 4 US.

SUBMITTED: June 1, 1959

X

Card 2/2

RAVER, Kh.R.; BRUKER, A.B.; SOBOROVSKIY, L.Z.

Reaction of aqueous formaldehyde with phosphine and 1,1,2,2-tetrafluoroethylphosphine. Zhur.ob.khim. 32 no.2:588-590
F '62. (MIRA 15:2)

(Formaldehyde)
(Phosphine)

NAVER, Kh.P.; DEUKER, A.D.; SOROKOVSKIY, L.Z.

Reaction of halocolefins with chloride, and hydrides of elements of group III and IV. Part 5: Reaction of tetrafluoroethylene with arsenic hydrides, and hydroxymethylation of fluoroalkylarsines produced. Zhur. ob. khim. 35 no.7:1162-1164 J1 '65. (MIRA 18:8)

L 44179-66 EWT(m)/EWP(j)/T IJP(c) WW/RM

ACC NR: AP6011234

SOURCE CODE: UR/0413/66/000/006/0074/0074

INVENTOR: Shorygina, N. V.; Ninin, V. K.; Soborovskiy, L. Z.; Bruker,
A. B.; Raver, Kh. R.

ORG: none

TITLE: Method of obtaining fireproof and heat-resistant phenol-
formaldehyde resins. Class 39, No. 179920

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 6,
1966, 74

TOPIC TAGS: resin, phenolformaldehyde, organic phosphorus compound,
fire resistant resin, heat resistant plastic

ABSTRACT: An Author Certificate has been issued for a method of obtain-
ing fireproof and heat-resistant phenolformaldehyde resins by the modi-
fication of phenolformaldehyde and arylphenolformaldehyde resins with
an organic phosphorus-containing compound and introducing it during the
process of tar formation. To increase the fire and heat resistance of

Card 1/2

UDC: 678.632'0'21:678.85

L 44179-66

ACC NR: AP6011234

resins, oxide of methyl-1,1,2,2,-tetrafluoroethylxymethylphosphine is
used as the phosphorous-containing compound. [NT]

SUB CODE: 11/ SUBM DATE: 31Jul62/

acum
Card 2/2

L 07450-67 EWT(m)/EWP(j) RM
ACC NR: AP6035833

SOURCE CODE: UR/0413/66/000/020/0037/0037

INVENTOR: Raver, Kh. R.; Zalikina, L. M.; Bruker, A. B.; Soborovskiy, L. Z. 27
B

ORG: none

TITLE: Preparative method for phenyl-1,1,2,2-tetrafluoroethylphosphinotributoxytita-
nium. Class 12, No. 187020 16

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 20, 1966, 37

TOPIC TAGS: organic phosphorus compound, organotitanium compound, chemical synthesis

ABSTRACT: An Author Certificate has been issued for a method of preparing phenyl-1,1,2,2-tetrafluoroethylphosphinotributoxytitanium. The method involves the reaction of sodium phenyl-1,1,2,2-tetrafluoroethylphosphide with tributoxychlorotitanium at 40C in an organic solvent (e.g., toluene). 7

SUB CODE: 07/ SUBM DATE: 18Oct65/ ATD PRESS: 5104

ACC NR: AP6033462

SOURCE CODE: UR/0413/66/000/016/0041/0041

INVENTOR: Ravor, Kh. R.; Abramtsava, G. I.; Bruker, A. B.; Soborovskiy, L. Z.

ORG: none

TITLE: Preparation of hydroxymethylphosphine derivatives. Class 12, No. 185916

SOURCE: Izobret prom obraz tov zn, no. 18, 1966, 41

TOPIC TAGS: hydroxymethylphosphine derivative, aryl hydroxymethylphosphine, alkyl hydroxymethylphosphine, *organic phosphorus compound, phosphine*

ABSTRACT: In the proposed method for the preparation of arylalkyl-hydroxymethylphosphines from substituted phosphines and paraformaldehyde, arylalkylphosphines are used as the substituted phosphines. [W.A. 50]

SUB CODE: 07/ SUBM DATE: 16Jun65

Card 1/1

UDC: 547.419.1.07

ACC NR: AP6033463 SOURCE CODE: UR/0413/66/000/018/0041/0041

INVENTOR: Raver, Kh. R.; Brukar, A. B.; Soborovskiy, L. Z.

ORG: none

TITLE: Preparation of trihydroxymethylarsine. Class 12, No. 185919

SOURCE: Izobret prom obraz tov zn, no. 18, 1966, 41

TOPIC TAGS: trihydroxymethylarsine preparation, arsine, formaldehyde,
organic arsenic compound

ABSTRACT: In the proposed method for the preparation of trihydroxymethylarsine, arsine is treated with aqueous solution of formaldehyde in the presence of a catalyst, e.g., hydrogen chloride or cadmium chloride. [W.A. 50]

SUB CODE: 07/ SUBM DATE: 16Jun65

UDC: 547.261'119.07

Card 1/1

KAWECKA-GRYCZOWA, Alodia; ZABLOCKI, Stefan; VOISE, Waldemar; STASIEWICZ, Irena; ORLOWSKI, Boleslaw; PAZDUP, Jan; DOBRZYCKI, Jerzy; BARYCZ, Henryk; SZPILCZYNSKI, Stanislaw; SKARZYNSKI, Boleslaw; PALACZ, Ryszard; WOJCIK, Zbigniew; JEWSIEWICKI, Wladyslaw; PILECKI, Jerzy; RAVETZ, J.R.

Book reviews. Kwart hist nauki i tech 7 no.1/2:147-219 '62.

VASIL'YEV, Ye.A., red.; YERMAKOV, V.I., red.; KALUZHSKIY, N.A.,
red.; KOMSHILOV, N.F., red.; MATYUSHKINA, A.P., red.;
KIKILOV, G.V., red.; RAYEVSKAYA, V.S., red.;
SHCHEMELEVA, A.V., red.

[Materials of the Conference on the Overall Use of Wood]
Materialy Konferentsii po kompleksnomu ispol'zovaniyu
drevesiny. Petrozavodsk, Karel'skoe knizhnoe izd-vo,
1961. 306 p. (MIRA 18:1)

i. Konferentsiya po kompleksnomu ispol'zovaniyu drevesiny,
Petrozavodsk, 1961.

SHAGIDULLIN, R.R.; SATTAROVA, F.K.; RAYEVSKIY, O.A.; BUDNIKOV, G.K.;
KITAYEV, Yu.P.

Infrared absorption spectra of semi and thiosemicarbazones of the
aldehyde and ketone series. Izv. AN SSSR. Ser. khim. no.6:960-965
Je '64. (MIRA 17:11)

1. Khimicheskiy institut im. A.Ye. Arbuzova AN SSSR.

RAYKHEL'SON, Yefim Rivimovich; VASIL'YEV, I.V., red.

[Effect of deviations of geometrical helical cylindrical springs on their manufacture and testing] Vliianie otklo-nenii geometricheskikh vintovykh tsilindricheskikh pru-zhin na ikh izgotovlenie i ispytaniia. Leningrad, 1964.
17 p. (MIRA 18:1)

PECHENIK, M.; TARASOV, M.; RAVICH, A.; GILLER, M.; EYZENBRAUN, R.;
PAVLOVA, D.

Clearing payments and the issue of credit on special loan
accounts. Den. i kred. 16 no.4:48-59 Ap '58. (MIRA 11:5)
(Clearinghouse)

ACCESSION NR: AT4019308

S/0000/63/003/001/0155/0159

AUTHOR: Gorbachev, A. A.; Polukhin, Yu. M.; Ravich, A. M.; Yusim, L. M.

TITLE: Optical investigations of photosensitive glasses

SOURCE: Simpozium po stekloobraznomu sostoyaniyu. Leningrad, 1962. Stekloobraznoye sostoyaniye, vy*p. 1: Katalizirovannaya kristallizatsiya stekla (Vitreous state, no. 1: Catalyzing crystallization of glass). Trudy* simpoziuma, v. 3, no. 1. Moscow, Izd-vo AN SSSR, 1963, 155-159

TOPIC TAGS: glass, photosensitivity, photosensitive glass, glass optical property, lithium aluminosilicate, image formation, absorption spectrum, luminescence spectrum, crystallization center

ABSTRACT: The mechanism of image formation in photosensitive glasses of the lithium aluminosilicate system and the kinetics of the formation of crystallization centers were investigated. The following optical characteristics were studied: the absorption spectra of irradiated, nonirradiated, and thermally-treated glasses; the relationship between the absorption of glasses and temperature under continuous heating of the sample; the thermoluminescence, and the luminescence spectra of irradiated and nonirradiated glasses depending on the temperature of thermal treatment. Absorption spectra for glass 2L depending on the thermal treatment and

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ACCESSION NR: AT4019308

silver concentration are given. The main investigations were carried out on the photosensitive glass 2L. Irradiation was carried out with the PRK-7 lamp at a distance of 400 mm from the sample. The spectra were recorded with an SF-4 quartz spectrophotometer. It was concluded that the photoelectrons, the release of which is connected with the presence of a sensitizer in the glass, pass to the metastable level during irradiation, where they are localized because of the high viscosity of the glass. When heated, the electrons are able to move and are localized in the vicinity of the silver ions, forming the so-called "atomic center". This is accompanied by an increase in absorption in the visible part of the spectrum. At higher temperatures either the size of the centers grows due to the separation of silver on them (after brief exposure) or the size of the particles grows due to their coagulation (prolonged exposure). After the critical sizes are attained these particles become the nuclei of glass crystallization. Orig. art. has: 5 figures.

ASSOCIATION: None

SUBMITTED: 17May63

DATE ACQ: 21Nov63

ENCL: 00

SUB CODE: MT, OP

NO REF SOV: 003

OTHER: 003

Card 2/2

GORBACHEV, A.A.; POLUKHIN, Yu.M.; RAVICH, A.M.; YUSIN, I.M.

Optical study of photosensitive glass. Stekloobr. sost. no.1:155-159
'63. (MIRA 17:10)

11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100
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 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800
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CA 27

1030, No. 2, 22-31. -- Papers on the advisability of an addn. of resin to latex in the manuf. of cups are reviewed. An addn. of 25% of resin is practicable and in some cases desirable according to personal exps. on a large scale by the Pot Technical Institute.

A. A. BUCHTALOV

DETAILS OF LITERATURE CLASSIFICATION

ea

27

New method for determining the content of fat and other organic acids, unsaponified fat and unsaponifiable substances in soap. M. G. Navich. Zavedeniye Lab. O. KZ-3(1937).—A preliminary report on the possibility of detg. the sum of org. matter in soaps by comparing the calorific values of the sample and 100% oleic soap. The detns. are made in a bomb calorimeter. C. H.

ASAC-SLA METALLURGICAL LITERATURE CLASSIFICATION

RAVICH, B.M., kand.tekhn.nauk; YAREMO, N.A., 1928.

Hot briquetting of ores. Stal' 24 no.2:118-119 F '64. (MIRA 17:9)

RAVICH, B.M.

Use of lignite briquets. Standartizatsiia no. 4:54-56 J1-Ag'55.
(MLRA 8:10)

1. Briketnaya laboratoriya Moskovskogo gornogo instituta imeni
Stalina
(Lignite) (Briquets (Fuel)--Standards))

RAVICH, B.M., inzhener.

Coke briquet testing methods. Standartizatsiya no.1:77 Ja-Fe
'56. (MIRA 9:2)

1. Briketnaya laboratoriya Moskovskogo gornogo instituta imeni
Stalina.

(Briquets (Fuel)--Testing)

RAVICH, B.M.

2315. PRODUCTION OF FERRO-COKE BRIQUETTES FROM FAR EASTERN ORE AND COALS. Lur'e, L.A. and Ravich, B.M. (Metallurg (Metallurgist, Moscow), Aug. 1956, 4-6). Experiments at the Moscow Mining Institute led to the production of satisfactory briquettes from a mixture of 74% iron ore concentrate (57.4% iron, 14% silica), 15% coke breeze (13.3% ash, 2.2% sulphur), and 1% slaked lime. After forming in a roller press at 200 atm they were steamed in an autoclave at 7 atm and about 174°C. Satisfactory results were also obtained with low temperature coke from brown coal in place of the coke breeze from metallurgical coke.

Melli 2.

Moscow Mining Inst.

RAVICH, B. M.

✓ The production of metallurgical coke from the brown coals of North Kazakhstan. L. A. Lur'e and B. M. Ravich (I. V. Stalin Mining Inst., Moscow). *Koks i Khim.* 1956, No. 8, 13-15.—The ever-pressing problem of providing fuel for an expanding metallurgical industry prompted the study of certain Eginsk deposit classified as "mature" brown coals as raw materials for making coke. The specific lot tested had the compn.: ash 6.7, S 2.8, volatile 47.6%, and thermal value 7031 kcal./kg. (12,050 B.t.u./lb.). The process involved heating the crushed coal (0.5-1.0 mm.) contg. 6-8% moisture to 80° and briquetting it under pressures of 1000-2000 kg./sq. cm. The briquets were dried at 110-20°, then coked at 900-50° for periods of 1-5 hrs. The product showed the following properties (GOST 8114-52): compressive strength 100-200 kg./sq. cm.; resistance to abrasion, 5 and 15 mm., 98% and 93%, resp.; ash 9.8, S 8.2, volatiles 0.3%; thermal value 7023 kcal./kg. (14,350 B.t.u./lb.). Studies are being continued with other coals and under other conditions.
H. L. Olin

Fuel 2

RAVICH, B.M.

~~RAVICH, B.M.~~
Briquetting agricultural wastes. Priroda 45 no.10:90-92 0 '56.
(MLRA 9:11)

1. Moskovskiy gornyy institut imeni I.V.Stalina.
(Briquets (Fuel))

RAVICH BORIS MIKHAYLOVICH
LUR'YE, Lev Afanas'yevich, dotsent, kandidat tekhnicheskikh nauk; BOYTSOVA,
Galina Fedorovna; RAVICH, Boris Mikhaylovich; MARGOLIN, V.A.,
otvetstvennyy redaktor; GARBEN, T.N., redaktor izdatel'stva;
SABITOV, A., tekhnicheskiy redaktor

[Research on briquetting of lignite] Issledovaniya po briketirovaniyu
burykh uglei. Pod obshchei red. L.A.Lur'ye. Moskva, Ugletekhnizdat,
1957. 141 p. (MLM 10:7)
(Briquets (Fuel)) (Lignite)

(MIRA 18:9)

1. Vsesoyuznyy nauchnyy institut pishchevoy promyshlennosti (for Leningrad). 2. Moskovskiy institut radioelektroniki i gornoy elektromekhaniki (for Bayash, Andreyeva). 3. Iskhodovaya kafedra energetiki Vsesoyuznogo nauchnogo instituta pishchevoy promyshlennosti.

TAYTS, Yefim Moiseyevich; RAVICH, Boris Mikhaylovich; ANDREYEVA,
Irina Aleksandrovna

[Coke and iron coke prepared by the briquetting process]
Koks i zhelezokoks na osnove briketirovaniia. Moskva,
Metallurgiiia, 1965. 172 p. (MIRA 18:7)

YARKHO, N.A., inzh.; RAVICH, B.M., kand. tekhn. nauk

APPROVED FOR RELEASE: Tuesday, August 01, 2000

no.1:36-37 Ja '64.

Stal' 2/
(MIRA 17:2)

CIA-RDP86-00513R001